



BG-UHD-VWP19

4K 1X9 HDMI VIDEO WALL PROCESSOR
WITH SEAMLESS SWITCHING/SCALING/EDID
MANAGEMENT

The BG-UHD-VWP19 is a professional-grade multi-format video wall processor engineered for maximum versatility and performance in large-scale display environments. Designed to handle a broad range of input sources - including HDMI, DisplayPort 1.4, USB-C, VGA, YPbPr, and CVBS - it supports ultra-high-definition video up to 4K2K@60Hz (YUV 4:4:4). With nine HDMI outputs for display configurations and an additional HDMI loop-out, it enables both direct source monitoring and dynamic multi-screen layouts for digital signage, broadcast, and control room applications.

Built for flexibility, this processor allows users to resize, rotate, and position content across multiple displays to form complex video wall arrangements such as 3x3 layouts in full 4K resolution. With onboard memory for storing display presets and multiple control options - including front-panel buttons, IR remote, and PC software - the BG-UHD-VWP19 provides an intuitive and powerful platform for real-time video wall management in professional AV installations.



FEATURES



MULTI-FORMAT INPUT SUPPORT

Accepts HDMI, DisplayPort, USB-C, VGA, YPbPr, and CVBS signals for flexible source compatibility



NINE HDMI OUTPUTS WITH LOOP-THROUGH

Delivers nine HDMI outputs for video walls plus one HDMI bypass output from the selected input



4K UHD

Handles resolutions up to 3840x2160/4096x2160 @60Hz (YUV 4:4:4, progressive) for exceptional image quality



3X3 VIDEO WALL SUPPORT

Displays a full 4K60 source across nine displays with independent scaling and positioning per output



ADVANCED IMAGE CONTROL

Resize, zoom, and position functions available on every output for precise display customization



FLEXIBLE CONTROL OPTIONS

Operate via front-panel keys, IR remote, or software for convenient configuration and management



TECH SPECIFICATIONS

Technical

Role of Usage	Video Wall Processor
HDCP Compliance	Yes
Video Bandwidth	Input: Single-link 600 MHz (18 Gbps) Output: Single-link 600 MHz (18 Gbps)
Video Support	Input: 4K2K @60 (4:2:2 8-bit) / 4K2K @60 (4:4:4 8-bit) Output: 4K2K @60 (4:4:4 8-bit)
Video Format Support	HDMI / DisplayPort / VGA / YPbPr / CVBS / Type-C
Audio Support	Yes
ESD Protection	Human body model: $\pm 15\text{kV}$ (air-gap discharge), $\pm 8\text{kV}$ (contact discharge)

Connection

Input	1 x HDMI 1 x DisplayPort 1 x USB 3.0 Type-C 1 x VGA 1 x YPbPr 1 x CVBS 2 x Stereo 1 x SPDIF 1 x USB 2.0 Type-A 1 x RJ45 1 x 3.5mm IR 1 x Micro USB
Output	10 x HDMI 1 x Stereo 1 x SPDIF
Control	Front Panel / IR Remote / Software Control
Input TMDS Signal	1.2 V (peak-to-peak)
HDMI Connector	Type A (19-pin female)
USB Connector	Type C / Micro B
RJ45 Connector	WE/SS 8P8C

Mechanical

Housing	Metal Enclosure
Power Supply	12V DC
Power Consumption	50 W (max)
Operating Temperature	32 ~ 104°F / 0 ~ 40°C
Storage Temperature	-4 ~ 140°F / -20 ~ 60°C

Limited Product Warranty Terms

Pro Line: 5-year warranty from the date of purchase for AV/Broadcasting products bought on or after August 1, 2024.

Essential Line: 3-year warranty from the date of purchase for AV/Broadcasting products bought on or after August 1, 2024.

Cables: Lifetime Limited Product Warranty.

For complete warranty information, please visit bzbgear.com/warranty.

For questions, please call 1.888.499.9906 or email support@bzbgear.com.

Pro Line Products
5-YEAR WARRANTY
Essential Line Products
3-YEAR WARRANTY
Cables Products
LIFETIME WARRANTY

